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Date: September 10, 2007

Number of Pages Including Cover: 14

MESSAGE: FORMAL SUBMISSION OF:

- 1) Transmittal (1 pg.); and
- 2) Appeal Brief - New Section (12 pgs.).

Attorney Docket No.: Poly-32

Appl. No.: 09/941,072

Applicants: David GOODMAN, et al.

Filed: August 28, 2001

Title: TRACKING FILES OF STORAGE MEDIA AND ENABLING USERS TO QUICKLY
ASSOCIATE SUCH FILES WITH THE STORAGE MEDIA ON WHICH THEY ARE
STORED

TC/A.U.: 2161

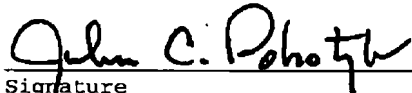
Examiner: Etienne Pierre Leroux

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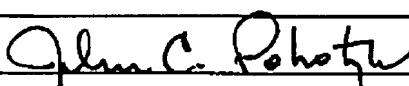
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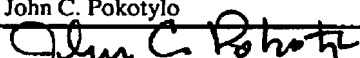
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	Filing Date	August 28, 2001	
	First Named Inventor	David GOODMAN	
	Group Art Unit	2161	
	Examiner Name	Etienne Pierre Leroux	
Total Number of Pages in This Submission		Attorney Docket Number	Poly-32

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IN THE UNITED STATES
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Title: TRACKING FILES OF STORAGE MEDIA AND ENABLING USERS
TO QUICKLY ASSOCIATE SUCH FILES WITH THE STORAGE
MEDIA ON WHICH THEY ARE STORED

TC/A.U.: 2161

Examiner: Etienne Pierre Leroux

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APPEAL BRIEF - NEW SECTION

In response to the Notification of Non-Compliant Appeal Brief mailed August 10, 2007 (Paper No. 7/8/07), which set a period for response to expire on September 10, 2007, please amend the Appeal Brief filed on July 3, 2007 with the following new SUMMARY OF THE CLAIMED SUBJECT MATTER section. This paper is being filed instead of an entire new Appeal Brief, as is preferred under MPEP 1205.03.

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V. Summary of the Claimed Subject Matter

One aspect of the present invention concerns a computer implemented method (and apparatus) for use by a read/write machine, for assigning a unique label to a storage medium. In particular, the method recited in claim 1 includes determining whether or not the storage medium has been assigned a unique volume label and a unique storage medium label, the unique storage medium label uniquely identifying the storage medium (This is supported, for example, by Figure 3, 310; Figure 6; page 16, line 32 through page 17, line 30; and page 25, line 8 through page 26, line 8.) If the storage medium has not been assigned a unique volume label and a unique storage medium label, then the method determines a unique storage medium label for the storage medium (This is supported, for example, by Figure 3, 315; page 17 line 30 through page 18, line 3; and page 26, lines 6-17.), determines a unique volume label for the storage medium (This is supported, for example, by Figure 3, 315; Figure 6, 670b; page 17, line 30 through page 18, line 3; and page 19, lines 1-14.), writes the unique volume label onto the storage medium (This is supported, for example, by Figure 3, 320; Figure 6, 670b; page 18, lines 3-14; and page 26, lines 17-22.), and provides a command to generate a label based on the unique storage medium label, the label to be associated with the storage medium (This is supported, for example, by Figure 3, 325; Figure 6, 670a and 680; page 18, lines 3-11; and page 26, lines 12-17.). Finally, the method updates a database based on files, if any, added to or deleted from the storage medium. (This is supported, for example, by Figure 3, 330; Figure 6,

650 and 660; page 18, lines 14-16; and page 26, lines 2-4.)

In at least some embodiments, such as that recited in dependent claim 43, the method may further update the database based on files deleted from the storage medium. This is supported, for example, by 330 and 350 of Figure 3 and page 16, line 7 through page 19, line 14.

Corresponding independent apparatus claim 20 recites an apparatus for assigning a unique label to a removable storage medium (This is supported, generally, by Figure 1; page 8, lines 5-24; Figure 2; page 15, lines 1-32; Figure 5; and page 22, line 26 through page 23, line 17.), the apparatus comprising (a) means for reading files from and/or writing files to a removable storage medium (This is supported, for example, by Figure 1, 114 and 16; Figure 2, 216 and 218; and page 10, line 18 through page 11, line 16.); (b) means for generating a label (This is supported, for example, by Figure 2, 224 and 226; page 10, lines 25-29; and page 15, lines 13-17.); (c) means for determining whether or not the removable storage medium has been assigned a unique volume label and a unique storage medium label, the unique storage medium label uniquely identifying the storage medium (This is supported, for example, by Figure 2, 214 and 216; and page 11, lines 5-14.); (d) means, if the storage medium has not been assigned a unique volume label and a unique storage medium label, for (i) determining a unique storage medium label, (ii) determining a unique volume label, (iii) instructing the means for reading and/or writing files to write the

unique volume label onto the storage medium, and (iv) providing a command to generate a label based on the unique storage medium label, to the means for generating a label (This is supported, for example, by Figure 2, 214 and 216; and page 11, lines 5-14.); and (e) a database, wherein the database is updated based on any files added to or deleted from the removable storage medium (This is supported, for example, by Figure 2, 220 and 222; page 10, lines 18-25; and page 11, line 18 through page 12, line 11.).

In at least some embodiments, such as that recited in dependent claims 9 and 28, the database includes records, each record including a first field having a value associated with the unique volume label, and a second field having a value associated with a file stored on the storage medium. This is supported, for example, by Figure 2, 222 and 230; page 11, line 25 through page 12, line 11; Figure 6, lines 650 and 660; and page 25, line 8 through page 26, line 27.

In at least some embodiments, such as that recited in dependent claim 10, the method may further (d) accept information read from a label associated with the storage medium without reading the storage medium (This is supported, for example, by Figure 4, 410 and 415; Figure 8, 830; page 20, lines 15-21; and page 28, lines 3-15.), (e) convert the accepted information into a database key (This is supported, for example, by Figure 4, 420; Figure 8, 840; page 20, lines 25-32; and page 28, lines 15-18.), (f) request records from a database instance using the database key (This is supported, for example, by Figure

4, 425; Figure 8, 850; page 20, line 32 through page 21, line 3; and page 28, lines 18-21.), (g) accept records in response to the request (This is supported, for example, by Figure 4, 425; Figure 8, 860 and 870; page 20, line 32 through page 21, line 3; and page 28, lines 21-31.), and (h) render information about the accepted records (This is supported, for example, by Figure 4, 430; Figure 8, 880; page 20, lines 3-5; and page 28, lines 31 and 32.).

Corresponding apparatus claim 29 recites (f) means for reading a label associated with the storage medium without reading the storage medium (This is supported, for example, by Figure 2, 252; and page 12, lines 13-25.); (g) means for accepting information read, by the means for reading, from a label associated with the storage medium (This is supported, for example, by Figure 2, 242 and 252; page 12, line 13-25; and page 13, lines 3-8.); (h) means for converting the read label into a database key (This is supported, for example, by Figure 2, 254; page 12, lines 13-25; and page 13, lines 3-8.); (i) means for requesting records from a database instance using the database key (This is supported, for example, by Figure 2, 254; page 12, lines 13-25; and page 13, lines 3-8.); (j) means for accepting records in response to the request (This is supported, for example, by Figure 2, page 12, lines 13-25; and page 13, lines 3-8.); and (k) means for rendering information about the accepted records (This is supported, for example, by Figure 2, 248; page 12, lines 13-25 and page 13, lines 8-11.). These elements are generally supported, for example, by Figure 1; page 8, lines 5-24; Figure 2; page 15, lines 1-32; Figure 5; and page 22, line 26 through page 23, line 17.

In at least some embodiments, such as that recited in dependent claim 13, the accepted information read from a label associated with the storage medium is read by a handheld device, and the information about the accepted records is rendered on the handheld device. This is supported, for example, by Figure 4, 415 and 430; page 19, line 22 through page 22, line 22; Figure 8, 830 and 880; page 28, lines 3-32; Figure 1; page 8, lines 3-24; Figure 5; and page 22, line 26 through page 23, line 17.

In at least some embodiments, such as that recited in dependent claim 14, the read label is converted into a database key by the handheld device, the records are requested from a database instance using the database key by the handheld device, and the records are accepted in response to the request by the handheld device. This is supported, for example, by Figure 4, 420 and 425; page 20, line 15 through page 21, line 10; Figure 1; page 8, lines 3-24; Figure 5; and page 22, line 26 through page 23, line 17.

In at least some embodiments, such as that recited in dependent claim 18, different indicators are provided to a user when scanning disks to find a file, wherein a first indicator is a first audible sound, and a second indicator is a second audible sound. This is supported, for example, by 14, lines 18-23; and page 30, lines 2-7.

In at least some embodiments, such as that recited in dependent claims 19 and 39, each of the labels include human-readable part, and wherein the information

associated with each of the one or more records accepted corresponds to the human-readable part of the labels. This is supported, for example, by page 7, lines 7-12; Figure 2, 237; and page 13, line 31 through page 14, line 13.

Another aspect of the present invention concerns a computer implemented method (or apparatus) for use by a read/write machine, for matching file parameters with one or more storage media, each of the one or more storage media having an associated label. In particular, the method recited in independent claim 15 includes (a) accepting one or more search parameters selected from a group of parameters consisting of (A) file name, (B) file size, (C) file author, and (D) file type (This is supported, for example, by Figure 4, 440 and 445; Figure 9, 930 and 940; page 21, lines 19-23; and page 29, lines 4-18.), (b) generating a query based on the search parameters (This is supported, for example, by Figure 4, 450; Figure 9, 950; page 21, line 29-32; and page 29, lines 18-20.), (c) accepting one or more records returned in response to the query generated (This is supported, for example, by Figure 4, 455; Figure 9, 960; page 22, lines 2-5; and page 29, lines 21-27.), and (d) rendering information associated with each of the one or more records accepted, the information rendered being related to the label associated with the storage medium storing one or more files identified with the one or more records accepted, wherein the label is provided on the storage medium without storing it on the storage medium (This is supported, for example, by Figure 4, 460; page 22, lines 5-8; and page 29, line 27 through page 30, line 7.).

In some embodiments (See dependent claims 16 and 17.), the labels are machine-readable labels, and the method further (e) accepts information read from the machine-readable labels (This is supported, for example, by page 22, lines 8-11.); (f) generates a first indicator, said first indicator able to be perceived by humans, if the accepted information read from the machine-readable labels matches information associated with any one of the one or more records accepted (This is supported, for example, by page 22, lines 11-13 and page 30, lines 2-7.), and (g) generates a second indicator, said second indicator able to be perceived by humans, if the accepted information read from the machine-readable labels does not match information associated with any one of the one or more records accepted (This is supported, for example, by page 22, lines 11-13 and page 30, lines 2-7.). Corresponding apparatus claims 36 and 37 are supported by the foregoing sections, and are generally supported, for example, by Figure 1; page 8, lines 5-24; Figure 2; page 15, lines 1-32; Figure 5; and page 22, line 26 through page 23, line 17.

In at least some embodiments, such as that recited in dependent claim 42, the information rendered is related to the label associated with the storage medium storing one or more files identified with the one or more records accepted such that a user or a scanner can distinguish the storage medium including the label from other storage media. This is supported, for example, by page 7, lines 7-12; and page 13, line 31 through page 14, line 1.

Corresponding apparatus claim 35 recites an apparatus (This is generally supported, for example, by Figure 1; page 8, lines 5-24; Figure 2; page 15, lines 1-32; Figure 5; and page 22, line 26 through page 23, line 17.) for matching file parameters with one or more storage media, each of the one or more storage media having an associated label. The apparatus includes (a) a user input for accepting one or more search parameters selected from a group of parameters consisting of (A) file name, (B) file size, (C) file author, and (D) file type (This is supported, for example, by Figure 2, 246; and page 13, lines 15-19.); (b) means for generating a query based on the accepted one or more search parameters (This is supported, for example, by Figure 2; and page 13, lines 19-22.); (c) means for accepting one or more records returned in response to the query generated (This is supported, for example, by page 13, lines 19-22.); and (d) means for rendering information associated with each of the one or more records accepted, the information rendered being related to the label associated with the storage medium storing one or more files identified with the one or more records accepted, wherein the label is provided on the storage medium without storing it on the storage medium (This is supported, for example, by Figure 2, 248; and page 13, lines 22-29.).

In at least some embodiments, such as that recited in dependent claim 36, the apparatus further comprising includes a label reader for reading information read from the machine-readable labels; and an output means for generating a first indicator able to be perceived by humans if the accepted information read from the

machine-readable labels matches information associated with any one of the one or more records accepted. This is supported, for example, by 248 and 252 of Figure 2; and page 10, line 8 through page 14, line 23. In at least some embodiments, such as those recited in dependent claims 37 and 38, the output means (e.g., a speaker) further generates a second indicator able to be perceived by humans if the accepted information read from the machine-readable labels does not match information associated with any one of the one or more records accepted. This is supported, for example, by page 14, lines 18-23 and page 30, lines 2-7; Figure 5; and page 22, line 26 through page 23, line 17.

To summarize the foregoing, various embodiments of the present invention may be used to (i) associate a label, such as a bar code label, with a storage medium and (ii) associate the label with the contents of the storage medium. In this way, given a storage medium, a user can determine its contents, without needing to read the storage medium, by reading the label. Similarly, given a file, a user can determine the label of the storage medium on which the file is stored. The labels of various storage media can be quickly read, and an indication of whether or not the storage medium includes the file can be provided to a user.

Remarks

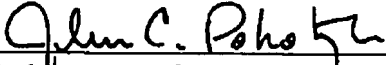
Paper No. 7/8/07 indicated that the invention recited in claims 9, 13, 14, 18, 19, 28, 36-39, 42 and 43 were not mapped to the specification by page and line number and to the drawings, if any. Although 37 C.F.R. 47.37(c)(1)(v) only requires such a mapping if a separately argued independent or dependent claim includes a means-plus-function or step-plus-function element (which is not the case here), the Appellant has nonetheless provided a mapping of these claims in the new SUMMARY OF THE CLAIMED SUBJECT MATTER section above in order to expedite consideration of the appeal.

Conclusion

In view of the foregoing, the Applicant respectfully submits that this paper cures the grounds for non-compliance set forth in Paper No. 7/8/07. The Appellant respectfully submits that the pending claims are in condition for allowance. Accordingly, the Appellant requests that the Board reverse each of the outstanding grounds of rejection.

September 10, 2007

Respectfully submitted,


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